

ABSTRACT OF THE DISCLOSURE

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The invention concerns a process for affinity viscosimetry and a viscosimetric affinity sensor on the basis of sensitive liquids with analyte-dependent viscosity which are localized within a perfusable dialysis chamber and contain colloidal constituents which are cross-linked by affinity bonds. The viscosimetric affinity sensor according to this invention is characterized by the spatial or temporal separation of analyte diffusion from the measurement of the flow resistance. An important advantage of the invention consists in small volume-displacement and negligible structural change within the matrix to be investigated.